AUTHOR INDEX

ADACHI, TSUNEYUKI
Nonlinear Stress-Strain Response of Laminated Composites, p. 206

ADAMS, ROBERT D.
A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures, p. 161

AMIJIMA, SADAO
Nonlinear Stress-Strain Response of Laminated Composites, p. 206

ARCAN, L.
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

AWERBUCH, JONATHAN
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p. 82

BARRETT, CHARLES S.
Stress Measurement in Graphite/Epoxy Composites by X-Ray Diffraction from Fillers, p. 61

CAWLEY, PETER
A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures, p. 161

CHEN, Y. M.
A Numerical Study on Effects of Fiber-Orientation of a Unidirectional Elastic Solid Under Impact, p. 117

CHOU, PEI CHI
Scale Effect in Fatigue of Composite Materials, p. 178

CRAWLEY, EDWARD F.
The Natural Modes of Graphite/Epoxy Cantilever Plates and Shells, p. 195

CROMAN, ROBERT
Scale Effect in Fatigue of Composite Materials, p. 178

DEIASI, RICHARD J.
Moisture Detection in Composites Using Nuclear Reaction Analysis, p. 303

GILLESPIE, JR., JOHN W.
Notched Strength of Composite Materials, p. 148

GURTIN, MORTON E.
On a Model for Two Phase Diffusion in Composite Materials, p. 126

HAHN, H. T.
Effect of Curing Stresses on the First Ply-Failure in Laminates, p. 2
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p. 82

HIRANO, Y.
Optimum Design of Laminated Plates Under Shear, p. 329

JOY, THOMAS
Percolation in a Thin Ply of Unidirectional Composite, p. 72

KELLER, ROBERT B.
Electrical Hazards Posed by Graphite Fibers, p. 225

KIM, R. Y.
Effect of Curing Stresses on the First Ply-Failure in Laminates, p. 2

KRENK, STEEN
On the Elastic Constants of Plane Orthotropic Elasticity, p. 108

LABOR, J. D.
Applications of the Average Stress Failure Criterion: Part II – Compression, p. 49

LEE, KELVIN J.
A Numerical Study on Effects of Fiber-Orientation of a Unidirectional Elastic Solid Under Impact, p. 117

LIN, K. Y.
Characterization of Splitting Process in Graphite/Epoxy Composites, p. 278

LOOS, ALFRED C.
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131

MAR, JAMES W.
Characterization of Splitting Process in Graphite/Epoxy Composites, p. 278

MASHITIZADEH, SAFER A.
Electrical Hazards posed by Graphite Fibers, p. 225

MATTHEWS, F. L.
Comparison of Single and Multi-Hole Bolted Joints in Glass Fibre Reinforced Plastic, p. 232

NUISMER, R. J.
Applications of the Average Stress Failure Criterion: Part II – Compression, p. 49

OH, KONG P.
A Monte Carlo Study of the Strength of Unidirectional Fiber-Reinforced Composites, p. 311

PARK, W. J.
On Estimation of Sample Size for Testing Composite Materials, p. 219

PIPES, R. BYRON
Notched Strength of Composite Materials, p. 148

PREDECKI, PAUL
Stress Measurement in Graphite/Epoxy Composites by X-Ray Diffraction from Fillers, p. 61

PREWO, KARL M.
The Thermal Expansion Behavior of Unidirectional and Bidirectional Kevlar/Epoxy Composites, p. 264

PYNER, G. R.
Comparison of Single and Multi-Hole Bolted Joints in Glass Fibre Reinforced Plastic, p. 232

SCHULTE, ROBERT L.
Moisture Detection in Composites Using Nuclear Reaction Analysis, p. 303

SPRINGER, GEORGE S.
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131
Electrical Hazards Posed by Graphite Fibers, p. 225

STRIEDER, WILLIAM
Percolation in a Thin Ply of Unidirectional Composite, p. 72

STRIFE, JAMES R.
The Thermal Expansion Behavior of Unidirectional and Bidirectional Kevlar/Epoxy Composites, p. 264

SUTHERLAND, HERBERT J.
Dispersion of Acoustic Waves by an Alumina-Epoxy Mixture, p. 35

SUZUKI, YOSHIO
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

THORNTON, P. H.
Energy Absorption in Composite Structures, p. 247

UMEKAWA, S.
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

VOLOSHIN, AKRADY
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

WAKASHIMA, K.
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

WETHERHOLD, ROBERT C.
Notched Strength of Composite Materials, p. 148

YATOMI, CHIKAYOSHI
On a Model for Two Phase Diffusion in Composite Materials, p. 126

SUBJECT INDEX

Acoustic Emission
Effect of Curing Stresses on the First Ply-Failure in Composite Laminates, p. 2

Acoustic Waves, Dispersion
Dispersion of Acoustic Waves by an Alumina-Epoxy Mixture, p. 35

Ag, Nb, CdO Fillers
Stress Measurement in Graphite/Epoxy Composites by X-Ray Diffraction from Fillers, p. 61

Alumina-Epoxy Mixture, Acoustic Waves
Dispersion of Acoustic Waves by an Alumina-Epoxy Mixture, p. 35

B/Al Composites
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

Bidimensional State of Stress
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

Bolts, in GRP
Comparison of Single and Multi-Hole Bolted Joints in Glass Fibre Reinforced Plastic, p. 232

Boron Aluminum
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p 82

Buckling Guide
Scale Effect in Fatigue of Composite Materials, p. 178

Buckling Modulus
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17

Composite Materials
On a Model for Two Phase Diffusion in Composite Materials, p. 126

Contact Resistance
Electrical Hazards Posed by Graphite Fires, p. 225

Crack
Effect of Curing Stresses on the First Ply-Failure in Composite Materials, p. 2

Critical Fiber Fraction
Percolation in a Thin Ply of Unidirectional Composite, p. 72

Curing Stresses
Effect of Curing Stresses on the First Ply-Failure in Composite Laminates, p. 2

Damage Location
A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures, p. 161

Design
Scale Effect in Fatigue of Composite Materials, p. 178

Design, Laminated Plates
Optimum Design of Laminated Plates Under Shear, p. 329

Diffusivity
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131
On a Model for Two Phase Diffusion in Composite Materials, p. 126

Dry
Effect of Curing Stresses on the First Ply-Failure in Composite Laminates, p. 2

Elasticity
On the Elastic Constants of Plane Orthotropic Elasticity, p. 108

Electrical Hazards
Electrical Hazards Posed by Graphite Fibers, p. 225

Ellipsoidal Inclusion
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

Energy Absorption
Energy Absorption in Composite Structures, p. 247

Estimations
On Estimation of Sample Size for Testing Composite Materials, p. 219

Failure Modes
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p. 82
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

Fatigue
Scale Effect in Fatigue of Composite Materials, p. 178

Fiber-Orientation
A Numerical Study on Effects of Fiber-Orientation of a Unidirectional Elastic Solid Under Impact, p. 117

Fiber Reinforced Materials
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

Fiber Reinforced Plastics
Nonlinear Stress-Strain Response of Laminated Composites, p. 206

Fire
Electrical Hazards Posed by Graphite Fibers, p. 225

First Ply-Failure
Effect of Curing Stresses on the First Ply-Failure in Composite Laminates, p. 2

Fractography
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

Fracture
Crack-Tip Damage and Fracture Toughness of Boron-Aluminum Composites, p. 82
On the Elastic Constants of Plane Orthotropic Elasticity, p. 108
Notched Strength of Composite Materials, p. 148
Energy Absorption in Composite Structures, p. 247
Characterization of Splitting Process in Graphite/Epoxy Composites, p. 278

Fracture Toughness
Characterization of Splitting Process in Graphite/Epoxy Composites, p. 278

Glass
Energy Absorption in Composite Structures, p. 247

Graphite
Electrical Hazards Posed by Graphite Fibers, p. 225
Energy Absorption in Composite Structures, p. 247

Graphite Composites
Moisture Detection in Composites Using Nuclear Reaction Analysis, p. 303

Graphite/Epoxy Composites
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131
Characterization of Splitting Process in Graphite/Epoxy Composites, p. 278

Graphite/Epoxy Compression Strength
Scale Effect in Fatigue of Composite Materials, p. 178

Graphite/Epoxy Laminates
Applications of the Average Stress Failure Criterion: Part II – Compression, p. 49
Effect of Curing Stresses on the First Ply-Failure in Composite Laminates, p. 2

Humid Air Emission
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131

Hydrocarbon Immersion
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131

Impact
A Numerical Study on Effects of Fiber-Orientation of a Unidirectional Elastic Solid Under Impact, p. 117

Initial Yielding
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

Interferometry Displacement Gauge
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p. 82

Kevlar
Energy Absorption in Composite Structures, p. 247

Kevlar Epoxy Composites
The Thermal Expansion Behavior of Unidirectional and Bidirectional Kevlar/Epoxy Composites, p. 264

Lamina
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

Laminated Composites
Nonlinear Stress-Strain Response of Laminated Composites, p. 206

Laminated Plates
Optimum Design of Laminated Plates Under Shear, p. 329

Maximum Moisture Content
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131

Metal Matrix Composites
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p. 82

Micromechanics
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

Moisture
Effect of Curing Stresses on the First Ply-Failure in Composite Laminates, p. 2

Moisture Absorption
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131

Moisture Absorption and Desorption
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17

Moisture Detection
Moisture Detection in Composites Using Nuclear Reaction Analysis, p. 303

Monte Carlo Study, Composite Strength
A Monte Carlo Study of the Strength of Unidirectional Fiber-Reinforced Composites, p. 311

Natural Frequencies
A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures, p. 161
The Natural Modes of Graphite/Epoxy Cantilever Plates and Shells, p. 195

Natural Mode Shapes
The Natural Modes of Graphite/Epoxy Cantilever Plates and Shells, p. 195

Non-Destructive Testing
A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures, p. 161

Nonlinear Problems
Nonlinear Stress-Strain Response of Laminated Composites, p. 206

Notched Strength
Notched Strength of Composite Materials, p. 148

Nuclear Reaction Analysis
Moisture Detection in Composites Using Nuclear Reaction Analysis, p. 303

Numerical Study
A Numerical Study on Effects of Fiber-Orientation of a Unidirectional Elastic Solid Under Impact, p. 117

Orthotropy
On the Elastic Constants of Plane Orthotropic Elasticity, p. 108

Residual Stresses
Stress Measurement in Graphite-Epoxy Composites by X-Ray Diffraction from Fillers, p. 61

Resistance
Electrical Hazards Posed by Graphite Fibers, p. 225

Resistance Curve Method
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p. 82

Salt Water Immersion
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131

Sample Size
On Estimation of Sample Size for Testing Composite Materials, p. 219

Scale Effect
Scale Effect in Fatigue of Composite Materials, p. 178

SEM
Failure of Glass-Epoxy Lamina – Fractographic Study, p. 240

Statistical Approach
Scale Effect in Fatigue of Composite Materials, p. 178

Strain Gauge
Effect of Curing Stresses on the First Ply-Failure in Composite Laminates, p. 2

Strength Superposition
Notched Strength of Composite Materials, p. 148

Stress Sensitivities
Stress Measurement in Graphite/Epoxy Composites by X-Ray Diffraction from Fillers, p. 61

Stress Strain Response
Nonlinear Stress-Strain Response of Laminated Composites, p. 206

Structural Collapse
Energy Absorption in Composite Structures, p. 247

Tensile Strength
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17

Thermal Spiking
Effects of Thermal Spiking on Graphite-Epoxy Composites, p. 17

Thermal Stress
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

Toughness; Crack Opening Displacement
Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites, p. 82

Tsai-Wu Criterion
A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites, p. 288

Unidirectional Laminates
Characterization of Splitting Process in Graphite/Epoxy Composites, p. 278

Unidirectional Solid
A Numerical Study on Effects of Fiber-Orientation of a Unidirectional Elastic Solid Under Impact, p. 117

Vibration
A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures, p. 161

Vibration of Plates and Shells
The Natural Modes of Graphite/Epoxy Cantilever Plates and Shells, p. 195

Water Immersion
Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air, p. 131

Weibull Distribution
On Estimation of Sample Size for Testing Composite Materials, p. 219

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EDITORIAL OBJECTIVES (Revised Janauary 1972)

The journal provides an outlet for theoretical and experimental studies of the physical and structural properties of multiphase materials.

Both phenomenological and mechanistic approaches, and their interrelations are emphasized. Contributions are judged from the intellectual content and relevance to composite materials. Theoretical predictions should be related to physical reality; experimental results, to some mathematical models.

While fracture, fatigue, structural reliability, and design criteria are being emphasized, analytic solutions of elasticity, and plates and shells are being de-emphasized. These classical boundary value problems are deemed more suitable for publication in discipline-oriented journals than in this technology-oriented journal.

GUIDELINES FOR THE AUTHOR (Revised April 1979)

Two copies of unpublished manuscripts should be submitted to the Editor-in-Chief, Box 2334, Dayton, OH 45429.

Brevity is encouraged. The normal length including text, tables and figures should be less than 20 pages. Careful layout and use of large lettering for figures will permit reduction to 1/3 to 1/4 of original size without loss of legibility. Final, reduced letters should be 1.3 mm high.

Tables should also be arranged to contain maximum information with minimum space. Direct reduction of tables will be used whenever feasible.

While mathematics is considered the backbone of theory, and design of experiment, the number of equations in the text should be minimized and be less than ten. The author is urged to submit two copies of complete mathematical formulation to the Editor-in-Chief for his reviewing process and distribution to interested parties after the publication of the article upon request. Hand written equations for this backup material are acceptable. However, equations for the text to be published must be typed.

The following are additional guidelines:

TITLE and AUTHOR Title should emphasize the principal objective, and should be limited to 10 words. Use first names and middle initials. Give address, with zip code, of the institution where the work was done.

ABSTRACT State clearly the objective of the study and salient conclusions in no more than 100 words. For short papers, this may be deleted.

SCOPE This section is for the general reader, not the specialist. Provide concise and precise information on: extent and objectives on the study; techniques employed; relevance of the work to the technology; and significant previous developments. Results obtained should appear in the next section.

CONCLUSIONS and SIGNIFICANCE Present final results and their value to the technology with the general reader in mind.

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SYMBOLS List and define symbols near the end of paper; they need not be identified in the text.

REFERENCES Provide complete titles. Each reference shall be identified in the text by numbers enclosed in brackets. For exact format, refer to published papers of this journal.

SYSTEM OF UNITS Follow the Système International d'Unités (SI). See *AIChE Journal* (March 1971) and table on p. 511.

FIGURES Provide separate list of captions. Captions should be informative (not simply X vs Y), and should cite conclusions and significance. Lettering should not be less than 5 mm high (18 point).

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GENERAL

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Vol. 13, pp. 1–78 JANUARY 1979

CONTENTS

2 Effect of Curing Stresses on the First Ply-failure in Composite Laminates
R. Y. Kim
H. T. Hahn

17 Effects of Thermal Spiking on Graphite-Epoxy Composites
Alfred C. Loos
George S. Springer

35 Dispersion of Acoustic Waves by an Alumina-Epoxy Mixture
Herbert J. Sutherland

49 Applications of the Average Stress Failure Criterion: Part II – Compression
R. J. Nuismer
J. D. Labor

61 Stress Measurement in Graphite/Epoxy Composites by X-Ray Diffraction From Fillers
Paul Predecki
Charles S. Barrett

72 Percolation in a Thin Ply of Unidirectional Composite
Thomas Joy
William Strieder

Vol. 13, pp. 81–175 APRIL 1979

CONTENTS

82 Crack-Tip Damage and Fracture Toughness of Boron/Aluminum Composites
Jonathan Awerbuch
H. Thomas Hahn

108 On the Elastic Constants of Plane Orthotropic Elasticity
Steen Krenk

117 A Numerical Study on Effects of Fiber-Orientation of a Unidirectional Elastic Solid Under Impact
Y. M. Chen
Kelvin J. Lee

126 On a Model for Two Phase Diffusion in Composite Materials
Morton E. Gurtin
Chikayoshi Yatomi

131 Moisture Absorption of Graphite-Epoxy Composites Immersed in Liquids and in Humid Air
Alfred C. Loos
George S. Springer

148 Notched Strength of Composite Materials
R. Byron Pipes
Robert C. Wetherhold
John W. Gillespie, Jr.

161 A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures
Peter Cawley
Robert D. Adams

Vol. 13, pp. 177–262 JULY 1979

CONTENTS

178 Scale Effect in Fatigue of Composite Materials
Pei Chi Chou
Robert Croman

195 The Natural Modes of Graphite/Epoxy Cantilever Plates and Shells
Edward F. Crawley

206 Nonlinear Stress-Strain Response of Laminated Composites
Sadao Amijima
Tsuneyuki Adachi

219 On Estimation of Sample Size for Testing Composite Materials
W. J. Park

225 Electrical Hazards Posed by Graphite Fibers
George S. Springer
Safer A. Mashitizadeh
Robert B. Keller

232 Comparison of Single and Multi-Hole Bolted Joints in Glass Fibre Reinforced Plastic
G. R. Pyner
F. L. Matthews

240 Failure of Glass-Epoxy Lamina – Fractographic Study
Akrady Voloshin
L. Arcan

247 Energy Absorption in Composite Structures
P. H. Thornton

Vol. 13, pp. 263–345 October 1979

CONTENTS

264 The Thermal Expansion Behavior of Unidirectional and Bidirectional Kevlar/Epoxy Composites
James R. Strife
Karl M. Prewo

278 Characterization of Splitting Process in Graphite/Epoxy Composites
James W. Mar
K. Y. Lin

288 A Micromechanical Prediction of Initial Yield Surfaces of Unidirectional Composites
K. Wakashima
Yoshio Suzuki
S. Umekawa

303 Moisture Detection in Composites Using Nuclear Reaction Analysis
Richard J. Delasi
Robert L. Schulte

311 A Monte Carlo Study of the Strength of Unidirectional Fiber-Reinforced Composites
Kong P. Oh

329 Optimum Design of Laminated Plates Under Shear
Y. Hirano

335 Author Index

339 Subject Index